

20030505.qrp v02_n911.qrl.20030505

Date: Mon, 5 May 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2911

QRP-L Digest 2911

Topics covered in this issue include:

- 1) [149960] Hannah sez, "help daddy clean his shack!"
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 2) [149961] Re: Yet Another Panel Update
by "Jerry Felts" <nr5a@rap.midco.net>
- 3) [149962] WTB: RG174
by rsstone@juno.com
- 4) [149963] FS rigs: All gone
by "Jerry Ford" <benlightnd13@mchsi.com>
- 5) [149964] Re: Yet Another Panel Update
by "John J. McDonough" <wb8rcr@arrl.net>
- 6) [149965] what is web site for J-38 keys
by "Jim Kelley" <nw611j@hotmail.com>
- 7) [149966] what is web site for surplus J-38 keys
by "Jim Kelley" <nw611j@hotmail.com>
- 8) [149967] JFET Sleuthing
by "Brad Hernlem" <alihernlem@hotmail.com>
- 9) [149968] Re: what is web site for surplus J-38 keys
by Steve Smith <sigcom@juno.com>
- 10) [149969] Re: WTB: RG174
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 11) [149970] Re: what is web site for surplus J-38 keys
by "Michael Melland" <w9wis@charter.net>
- 12) [149971] NVIS Antenna Plans etc...
by "Michael Melland" <w9wis@charter.net>
- 13) [149972] RE: Pico and Nano
by "Larry Gaalaas" <lgaalaas@mn.rr.com>
- 14) [149973] Re: WTB: RG174
by Pete Burbank <plburbank@earthlink.net>
- 15) [149974] Summer Fox Hunt: Team Guidelines.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 16) [149975] NVIS Receiving
by Kenneth Hoglund <hoglund@wfu.edu>
- 17) [149976] Re: [Elecraft] Key Clicks
by John Seney <wd1v@amsat.org>
- 18) [149977] SST-20...definitive freq mod?
by john <johnmb@nc.rr.com>
- 19) [149978] Re: Weller WCTPT vs WES50

- by Philip L Carter <pcarter@gcfn.org>
- 20) [149979] Re: JFET Sleuthing
by David Hinerman <WD8CIV@worldnet.att.net>
- 21) [149980] Re: Weller WCTPT vs WES50
by "Joe Roof" <jroof@mindspring.com>
- 22) [149981] Items for Sale
by RLemmel@aol.com
- 23) [149982] May Spartan Sprint Tonight!
by "John Huffman" <hjohnc@core.com>
- 24) [149983] Re: WTB: RG174 - Thanks!
by rsstone@juno.com
- 25) [149984] Re: JFET Sleuthing
by "Brad Hernlem" <alihernlem@hotmail.com>
- 26) [149985] Re: SST-20...definitive freq mod?
by DK3RED@t-online.de (Ingo Meyer DK3RED)
- 27) [149986] Re: HP Omnibook 800CT/166 total system for sale
by "John_Evans" <jae Evans@mail.codenet.net>
- 28) [149987] Need OHR 20/40 schematic and alignment instructions
by David Simmons <dsimmons@macromedia.com>
- 29) [149988] Re: NVIS Receiving
by "Walter AG5P" <walter@accessus.net>
- 30) [149989] Re: NVIS Receiving
by John Harper AE5X <ae5x@qsl.net>
- 31) [149990] Re: [149896] Re: HW-8... Some mods just make you chuckle ...
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 32) [149991] Re: [Elecraft] Interested Party hiding in the Shadows
by "Walter D. Amos" <waltk8cvamosqrp@gbronline.com>
- 33) [149992] Travelling to USA ...
by "Juan A. Bertolin (EA5XQ)" <ea5xq@qsl.net>
- 34) [149993] AT Sprint Construction: Magnifier Recommendations
by Steve.Lawrence@ITWFEG.COM
- 35) [149994] Re: [Elecraft] Interested Party hiding in the Shadows
by Ed Tanton <n4xy@earthlink.net>
- 36) [149995] Re: AT Sprint Construction: Magnifier Recommendations
by Ed Lawson <k1vp@grizzly.com>
- 37) [149996] Re: AT Sprint Construction: masked connector locations?
by "John_Evans" <jae Evans@mail.codenet.net>
- 38) [149997] Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!!!
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 39) [149998] Construction: Magnifier Recommendations
by "sslyon" <sslyon@megalink.net>
- 40) [149999] Re: Inv V
by "Donn Kuse" <casey.jay@verizon.net>
- 41) [150000] Re: [Re: AT Sprint Construction: masked connector locations?]
by "P. Ermisch" <ermisch@usa.net>
- 42) [150001] Re: [AT Sprint Construction: Magnifier Recommendations]
by "P. Ermisch" <ermisch@usa.net>
- 43) [150002] RE: What's the matter with the www.qsl.net/kd1jv page?

- by "Juanjo Pastor" <ec5aca@wanadoo.es>
- 44) [150003] Re: AT Sprint Construction: Magnifier Recommendations
by Jerry Lofstead <w3cde@bellsouth.net>
- 45) [150004] AT Sprint construction: solder wick technique
by "P. Ermisch" <ermisch@usa.net>
- 46) [150005] Re: NVIS and QRP
by <stanw@toxso.com>
- 47) [150006] Re: AT Sprint construction: solder wick technique
by "Mike Yetts" <myetts@insydesw.com>
- 48) [150007] Re: AT Sprint construction: solder wick technique
by Jerry Lofstead <w3cde@bellsouth.net>
- 49) [150008] FYBO 2003 results
by Gary Slagel <gdslagel@yahoo.com>
- 50) [150009] Re: AT Sprint construction: solder wick technique
by Ed Tanton <n4xy@earthlink.net>
- 51) [150010] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!!!
by "Karl F. Larsen" <k5di@zianet.com>
- 52) [150011] Re: AT Sprint construction: solder wick technique
by Jerry Lofstead <w3cde@bellsouth.net>

Date: Sun, 4 May 2003 17:45:33 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>, Laurel ARC <larc-l@webtrek.com>,
<eax@w3eax.umd.edu>
Subject: [149960] Hannah sez, "help daddy clean his shack!"
Message-ID: <Pine.LNX.4.44.0305041740290.15692-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For sale:

Drake SW-1 shortwave. Does NOT do SSB/CW, but has great audio and makes listening to AM broadcasts greatly enjoyable. Compact, easy to use. With manual and power supply, was \$300 new, asking \$140.

Radio Shack DX-394 tabletop SSB/CW/AM HF receiver. Great physical condition, but it's pretty much DEAF. Why? Not sure. I assume it's the preamp as it no longer matters if the preamp is turned on or off. Was a great nightstand radio until it apparently got overwhelmed by a local HF signal (?) emanating from a nearby antenna. I tried to find a schematic in order to debug the thing, but no dice.

Therefore...I am considering offers on this very nice but not quite functional HF receiver.

(and Hannah turns 1 this month - can time really have gone that quickly?)

Thanks,

Scott N7JI

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sun, 4 May 2003 16:48:35 -0600
From: "Jerry Felts" <nr5a@rap.midco.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149961] Re: Yet Another Panel Update
Message-ID: <00bb01c3128f\$4ba1bce0\$3865dc18@jerryhc0zfj19d>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I wish there was a way you could do something to the program to make it work for everyone. Tried to download the new version and just like before it only blinks thats it. Had a friend try it and he gets the same thing. I'm not a computer guru, not everyone is. About all I know to do is get online, send emails, look at different sites. Thats all I want to know. I down load programs and alot of times they don't work and I don't know what to do, or how to fix it, further more I don't want to know. Oh well such is life, but that would sure be one nice program to have.

Total puter dummy

----- Original Message -----

From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, May 04, 2003 3:20 PM
Subject: Yet Another Panel Update

> A week or so ago, something really shocking was revealed to me ... there are
> amateurs out there, builders just like us, who build things using valves
> (tubes here in the colonies). Even more startling, stuff built with these
> strange devices tend to be large ... very large. Way too large to stuff
> in
> the suitcase for a business trip or to take camping. Nevertheless, there

> are actually people who do this stuff anyway!
>
> When I wrote Panel, the idea of a panel over a foot long never occurred to
> me. 8 inches wide by 3 inches high is a BIG panel in my book. But these
> folks who build these enormous contraptions need panels too. One of them
> sent me a panel file that didn't work - of course not, it was bigger than
> the paper!
>
> So, today I posted an update to Panel. The new version (3.2) will adjust
> the paper size to the panel. In the process of adding this feature, I
> discovered a bug in how Panel centers the panel on the page, so the new
> version is a little nicer that way, too.
>
> Also, over the past couple of weeks, I've added a note to my web site to
> explain a little more about how these command line programs work for
Windows
> users. (Another startling discovery I made recently is that not everyone
> can remember CP/M. There actually are people out there who haven't been
> around computers for the past 40 years.)
>
> I've also added a man page to the Linux archive and a PDF version of the
man
> page to the web site.
>
> So, if you are interested in Panel for Windows command line or Linux,
mosey
> on over to:
>
> <http://hfradio.org/wb8rcr>
>
> and click on "Panel (not QSLMaker)" to get to the Dial/Panel page. If you
> are a Windows user, and haven't used Panel before, please read the "Note
for
> Windows users (PDF format 30K)".
>
> Enjoy
>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>
>
>
>

Date: Sun, 4 May 2003 22:45:35 GMT

From: rsstone@juno.com
To: qrp-1@lehigh.edu
Subject: [149962] WTB: RG174
Message-ID: <20030504.154621.17581.354413@webmail05.lax.unttd.com>
Content-Type: text/plain

Hi - I can't seem to find a source that sells in less than 100 foot rolls. It someone has 20 feet or so they could sell me, please let me know. Alternatively, it several folks want to split up a 100 foot roll, that could work too. Thanks for your help!

72,

Ron (KA3J)

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 4 May 2003 19:01:31 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [149963] FS rigs: All gone
Message-ID: <010701c31299\$7cbc0920\$f374da0c@mchsi.com>

Thanks to all inquiries..... The SW 20+ and the K-1 are gone
to new home's.

73 to the gang: Jerry NOJRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~nojrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Sun, 4 May 2003 20:21:30 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <nr5a@rap.midco.net>
Subject: [149964] Re: Yet Another Panel Update

Message-ID: <016501c3129c\$48377ce0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Jerry

I do plan on a Windows version, but that is a LOT of work, and I haven't had the time yet. The current version is useable on almost any computer, but it's not the easiest thing in the world to use, and it doesn't work like a full blown Windows program. If you just double-click, you will get the exact behavior you describe.

I did post on my web site a file describing the problem, but basically it says, if you're not pretty experienced at this stuff, it would be better to wait.

Like so many others, I have a day job, and can't put as much time as I'd like into my hobby. The current version of Panel, after a number of updates and bug fixes, still probably has only 20 or 30 hours invested in it. The first Windows release will likely be a 200-300 hour investment, so you can see the problem.

But, I do intend to get after it, it's just that it will likely be the fall before I can find that much time.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Jerry Felts" <nr5a@rap.midco.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, May 04, 2003 6:48 PM
Subject: Re: Yet Another Panel Update

> I wish there was a way you could do something to the program to make it
work
> for everyone. Tried to download the new version and just like before it
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> blinks thats it. Had a friend try it and he gets the same thing. I'm not a
> computer guru, not everyone is. About all I know to do is get online, send
> emails, look at different sites. Thats all I want to know. I down load
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> how to fix it, further more I don't want to know. Oh well such is life,
but

> that would sure be one nice program to have.
>
> Total puter dummy
> ----- Original Message -----
> From: "John J. McDonough" <wb8rcr@arrl.net>
> Subject: Yet Another Panel Update

> > Also, over the past couple of weeks, I've added a note to my web site to
> > explain a little more about how these command line programs work for
> Windows
> > users.

Date: Sun, 04 May 2003 21:01:12 -0400
From: "Jim Kelley" <nw611j@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [149965] what is web site for J-38 keys
Message-ID: <Law15-F41LuYlMu9bcH0001f9c5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

TO ALL;

I am looking for a web site that has Surplus J-38 keys.

MSN 8 with e-mail virus protection service: 2 months FREE*
<http://join.msn.com/?page=features/virus>

Date: Sun, 04 May 2003 21:04:45 -0400
From: "Jim Kelley" <nw611j@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [149966] what is web site for surplus J-38 keys
Message-ID: <Law15-F560dgSVC0xRt0001a41d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Well I blew that.

TO ALL:

I am looking for web site for surplus J-38 keys. The person is ,I think, In penna. and his name is, I hope, Lee Frank. Any help appreciated.

TNX & 73

Jim K4YBB

Tired of spam? Get advanced junk mail protection with MSN 8.
<http://join.msn.com/?page=features/junkmail>

Date: Mon, 05 May 2003 01:13:20 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [149967] JFET Sleuthing
Message-ID: <Law9-F117Ds9aAOPpBp0002a1ee@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

OK, so I have a bunch of mystery JFETs. They come in a TO-72 package. I can tell that they are N-channel JFETs and can determine which pins are to the case and the Gate but how do I tell which pin is Drain and which is Source? I wired up a circuit with 1K resistors between the rails (12V and ground) and the putative Drain and Source and fed a 20 kHz signal into the Gate which was grounded through a 1M resistor. The observed signal on the "Drain" and "Source" was the same no matter which I designated as such.

How would YOU figure out this problem? Is there a simple solution?

Parts came in a box which said that they were "702DM" and "wideband amp". Some bear no markings. Others bear random markings like

"912W42358HC" and "828W27282HC" and so on.

What other tests do you scroungers perform on mystery FETs?

TNX

Brad KG6IOE

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Sun, 4 May 2003 18:28:05 -0700
From: Steve Smith <sigcom@juno.com>
To: nw611j@hotmail.com
Cc: qrp-1@Lehigh.EDU
Subject: [149968] Re: what is web site for surplus J-38 keys
Message-ID: <20030504.182805.2308.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim and group,

A quick Google search for "Lee Frank electronic surplus" turned up:

<http://www.surplustuff.com/>

I didn't check to see if he has any of those keys left. I bought one a year ago or so and was satisfied with the product and service.

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

On Sun, 04 May 2003 21:04:45 -0400 "Jim Kelley" <nw611j@hotmail.com>
writes:

>
>
> Well I blew that.

>
> TO ALL:
>
> I am looking for web site for surplus J-38 keys. The person is
> ,I
> think, In penna. and his name is, I hope, Lee Frank. Any help
> appreciated.
>
>
> TNX & 73
>
> Jim K4YBB
>
>
>
>
>
>
>
>
> -----
> Tired of spam? Get advanced junk mail protection with MSN 8.
> <http://join.msn.com/?page=features/junkmail>
>
>
>

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Surf the web up to FIVE TIMES FASTER!
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Date: Sun, 04 May 2003 21:48:19 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-1@lehigh.edu
Cc: rsstone@juno.com
Subject: [149969] Re: WTB: RG174
Message-ID: <5.0.2.1.2.20030504214725.024202e8@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ron,

I think The Wireman will sell in smaller than 100' increments...

<http://www.thewireman.com>

72 de Mike, K04WX

Michael C. Boatright

Date: Sun, 4 May 2003 20:55:01 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <nw611j@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [149970] Re: what is web site for surplus J-38 keys
Message-ID: <002001c312a9\$5cd8f040\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I am looking for web site for surplus J-38 keys. The person is ,I
> think, In penna. and his name is, I hope, Lee Frank. Any help
appreciated.

Lee Frank is right.... his web page is: <http://www.surplustuff.com/>

Look under equip/parts/misc

73 de Mike, W9WIS

Date: Sun, 4 May 2003 20:57:37 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
<njqrp@njqrp.org>
Subject: [149971] NVIS Antenna Plans etc...
Message-ID: <002c01c312a9\$b418c100\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I added some NVIS antenna info and plans to my web page... you'll find a link by scrolling down the page. Try it <http://webpages.charter.net/w9wis/> and see if you'd find the info helpful.... let me know. My first attempt at a construction type article...

Mike

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrp-rci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Sun, 4 May 2003 21:22:53 -0500
From: "Larry Gaalaas" <lgaalaas@mn.rr.com>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [149972] RE: Pico and Nano
Message-ID: <GBEJNBOANADPJBODCHDIEOCCGAA.lgaalaas@mn.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When I first got started in radio, yes I know this will date me, before we had pico, we used micro-micro which of course meant $10^{-6} * 10^{-6}$ or 10^{-12} . Often referred to as micky-mike's.

73,
Larry kb0r

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Mike Yetsko
Sent: Sunday, May 04, 2003 11:05 AM
To: Low Power Amateur Radio Discussion
Subject: OT: Pico and Nano

OK, this MAY be an answer...

According to an article written by Asimov in November of 1962 called "Pre-Fixing it Up", the original French metric definitions only covered 6 orders of magnitude. They went from the meter 'down' to $10E-3$ and 'up' to $10E+3$, using Greek for the up prefixes and Latin for the down prefixes.

English	Greek	Latin
Thousand	chilioi	mille
hundred	hecaton	centum
ten	deka	decem

which then became (in meters)

kilometer
hectometer
dekameter
meter
decimeter
centimeter
millimeter

'ch' is a 'hard' sound, and became 'k'.

Other prefixes came later.

It wasn't until 1958 that the International Committee on Weights and Measures agreed upon a formalized list as follows:

trillion	tera-	10E12
billion	giga-	10E9
million	mega-	10E6
thousand	kilo-	10E3
one		10E0
thousandth	milli-	10E-3
millionth	micro-	10E-6
billionth	nano-	10E-9
trillionth	pico-	10E-12

femto- 10E-15 and atto- 10E-18 were added in 1962.

(The 'trillion' referenced here is JUST for US reference, as 'trillion' means a different value in the UK.)

I do not know if more have been added since, as the article was written in 1962, but I wouldn't be surprised.

Mike

Date: Sun, 04 May 2003 22:25:58 -0400
From: Pete Burbank <plburbank@earthlink.net>

To: rsstone@juno.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [149973] Re: WTB: RG174
Message-ID: <5.2.0.9.0.20030504222308.00a4c280@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ron,
Check out Dan's Small Parts and Kits.
Usual disclaimer but a happy customer.
73,
Pete NV4V

At 06:45 PM 5/4/2003, rsstone@juno.com wrote:

>Hi - I can't seem to find a source that sells in less than 100 foot
>rolls. If someone has 20 feet or so they could sell me, please let me
>know. Alternatively, if several folks want to split up a 100 foot roll,
>that could work too. Thanks for your help!

>

>72,

>

>Ron (KA3J)

>

>

>-----
>The best thing to hit the internet in years - Juno SpeedBand!

>Surf the web up to FIVE TIMES FASTER!

>Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 4 May 2003 22:12:14 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [149974] Summer Fox Hunt: Team Guidelines.
Message-ID: <Pine.LNX.4.33.0305042209460.12162-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello everyone!...here are the Team Guidelines for the Summer Fox Hunt

...when you have your Team of 5 stations formed please send me an e-mail so I can include you on the Official Teams roster...thank you...

.72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

..guidelines for year 2003 Summer season...

- TEAM GUIDELINES for the 20 mtr Fox Hunt -

Version 1.0

The main idea of the Team competition, is to have FUN, post tall tales after each hunt and to keep your CW fist loose!

- each Team will consist of 5 stations.
- obviously there will be times when some stations cannot make the fox hunt for various reasons...don't sweat it as that's the way the slippery seaweed sloshes... ;-)
- scoring is the total NUMBER OF PELTS SKINNED AND ON THE WALL by each Team hunter as indicated in the posted fox logs.
- the winning Team will receive the love and adoration of fellow hunters and foxii!.... ;-) ...and bragging rights of course!
- I would appreciate it if all foxii would send me their final log direct so I can tally the Team scores after each hunt...

"So it was said; so let it be done" and good luck to all!!

- 72 - Bruce(VE5RC+VE5QRP) QRP-L#886 QRP-C#1

Date: Mon, 05 May 2003 00:27:40 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149975] NVIS Receiving
Message-ID: <3EB5E83C.2B03B7B8@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang--

I'm preparing some NVIS experimenting, and have found all sorts of useful things on the theory for the transmission of rf via NVIS antennas. But I haven't seen anything on the receiving end. While NVIS 'antlers' would be great for communicating with other 'cloud burners,' is there any advantage in trying to communicate with closer stations with the usual array of dipoles, beams, etc.?

I'll take URLs, books, experiences--anything!

73
Ken KG4FGC

Date: Mon, 5 May 2003 05:52:01 -0400
From: John Seney <wd1v@amsat.org>
To: k6se@juno.com
Subject: [149976] Re: [Elecraft] Key Clicks
Message-ID: <p05100303badbe2eed156@[24.62.164.45]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Here is a picture of a K2's keying waveform made up of 24 million digital color graded samples.

<http://www.qsl.net/wd1v/LECROY.JPEG>

Additional click data at <http://www.qsl.net/wd1v/756cw.html>

72/73
John Seney, WD1V [FN42]
QRP ARCI 10345 K2 #1388
Icom 756 Pro II
FIST #5014 CC: 1151
HP Velo Recumbent Biker
<http://www.qsl.net/wd1v>

Date: Mon, 05 May 2003 07:02:51 -0400
From: john <johnmb@nc.rr.com>
To: qrp-1@lehigh.edu
Subject: [149977] SST-20...definitive freq mod?
Message-ID: <3.0.3.32.20030505070251.0253ee9c@pop-server.nc.rr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm getting ready to assemble my SST-20 and have been reading a compendium of mods downloaded from the net.

While there's a host of frequency coverage mods, it looks like paralleling the crystals in the VX0 offered the best results.

Is this a correct conclusion? Any other "must do" mods before I warm up the Metcal?

73
John K5MO

Date: Mon, 5 May 2003 07:57:08 -0400 (EDT)
From: Philip L Carter <pcarter@gcfn.org>
To: David Beach <VE3STI@rac.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [149978] Re: Weller WCTPT vs WES50
Message-ID: <Pine.3.07.10305050705.A582-91000000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I change the temp on my desolder station much more often than i ever do on the soldering iron. It stays at 700F on the small 1/16 or 1/32" tip. If I go to the 1/8 or 1/4" tips, I may go to 800F. The iron is 60W.

Desolder goes from 700-900F depending on what I am trying to remove and how many layers I have to extract through.

NRE/COLE Test Center OH-3
pcarter@gcfn.org or wd8qwr@arrl.net
Philip L. Carter, WD8QWR
wd8qwr@w8cqk.#cmh.oh.usa.na

Date: Mon, 05 May 2003 08:25:32 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [149979] Re: JFET Sleuthing
Message-ID: <5.1.1.6.1.20030505082337.00a606d0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:13 AM 5/5/2003 +0000, you wrote:

>OK, so I have a bunch of mystery JFETs. They come in a TO-72
>package. I can tell that they are N-channel JFETs and can determine
>which pins are to the case and the Gate but how do I tell which
>pin is Drain and which is Source? I wired up a circuit with 1K
>resistors between the rails (12V and ground) and the putative Drain
>and Source and fed a 20 kHz signal into the Gate which was grounded
>through a 1M resistor. The observed signal on the "Drain" and "Source"
>was the same no matter which I designated as such.
>
>How would YOU figure out this problem? Is there a simple solution?

Brad,

Not that it helps much, but on some FETS the drain and source are interchangeable.

>Parts came in a box which said that they were "702DM" and "wideband
>amp". Some bear no markings. Others bear random markings like
>"912W42358HC" and "828W27282HC" and so on.
>
>What other tests do you scroungers perform on mystery FETs?

Do they taste good? (Grin)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 5 May 2003 09:14:40 -0400
From: "Joe Roof" <jroof@mindspring.com>
To: <qrp-1@lehigh.edu>

Subject: [149980] Re: Weller WCTPT vs WES50
Message-ID: <004801c31308\$498f4ca0\$6401a8c0@joe>

David,
I have both and find the adjustable temp is a great feature, I
put the fixed temp one in a box and don't use it any more.
72
Joe, w4jhr

Date: Mon, 5 May 2003 09:42:34 EDT
From: RLemmel@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [149981] Items for Sale
Message-ID: <139.1f43f2a6.2be7c44a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have the following items getting very little use and looking for a good home:

K1 (s/n429) -Dual band (40/20) with second board (30/15). Also has noise blanker and tilt stand. Very nice radio not seeing much use; big brother K2 getting the most use. Cosmetically very nice but does have a repairable birthmark on rear panel plastic button for power switch (fuctionally ok). All separately over \$400. Asking \$325.

Autek RF-1 analyst with doc. \$139 in QST add, will part with for \$95. Good working order.

MFJ 951B 200 tuner (the small one w/o meter) - \$50,

All include CONUS shipping. Will consider offers and PayPal ok. Please reply direct.

72-Randy WV9N, qrp-parci10459, fp187

Date: Mon, 5 May 2003 09:58:45 -0400
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [149982] May Spartan Sprint Tonight!
Message-ID: <007301c3130e\$7230da60\$10075dd8@jhuffman1t>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tonight is the May Adventure Radio Society Spartan Sprint. Two hours starting at 9 pm Eastern, 8 pm Central, 7 pm Mountain, 6 pm Pacific.

Exchange - Report, State (Province), Power as in: 559 MI 5W

Enjoy, and get your logs in by noon Wednesday. Results will be posted by Thursday.

Fill out the Autolog at www.natworld.com/ars/ss_log.html

73 de NA8M
John
Contest Manager
Adventure Radio Society

Date: Mon, 5 May 2003 14:10:34 GMT
From: rsstone@juno.com
To: qrp-1@lehigh.edu
Subject: [149983] Re: WTB: RG174 - Thanks!
Message-ID: <20030505.071058.2521.223566@webmail01.lax.unttd.com>
Content-Type: text/plain

Hi All - Thanks for all of the offers and suggestions. As always, this group's generosity and creativity never ceases to amaze me!

72,

Ron (KA3J)
Bethesda, MD

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 05 May 2003 14:35:57 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Cc: WD8CIV@worldnet.att.net
Subject: [149984] Re: JFET Sleuthing
Message-ID: <Law9-F1220kDrFSTmGE0000b6db@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

David Hinerman (WD8CIV@worldnet.att.net) asserts:

>At 01:13 AM 5/5/2003 +0000, you wrote:

>>OK, so I have a bunch of mystery JFETs. They come in a TO-72
>>package. I can tell that they are N-channel JFETs and can determine
>>which pins are to the case and the Gate but how do I tell which
>>pin is Drain and which is Source? I wired up a circuit with 1K
>>resistors between the rails (12V and ground) and the putative Drain
>>and Source and fed a 20 kHz signal into the Gate which was grounded
>>through a 1M resistor. The observed signal on the "Drain" and "Source"
>>was the same no matter which I designated as such.

>>

>>How would YOU figure out this problem? Is there a simple solution?

>Brad,

>Not that it helps much, but on some FETS the drain and source are
>interchangeable.

This makes sense thinking about how a JFET works and certainly within the parameters of my simple test they were interchangeable. I am wondering whether this interchangeability would hold in all applications, however, and is there some test that would show the difference definitively (maybe I need to build a couple of VHF preamplifiers and compare them).

I suppose that it will come down to what ever works best. Sorta semantic, really. Does it matter? only if it matters!

>>Parts came in a box which said that they were "702DM" and "wideband
>>amp". Some bear no markings. Others bear random markings like
>>"912W42358HC" and "828W27282HC" and so on.

>>

>>What other tests do you scroungers perform on mystery FETs?

>

>Do they taste good? (Grin)

They are a bit crunchy for my liking ... but perhaps I did not cook them long enough. :-)

Brad
>Dave

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Mon, 05 May 2003 16:31:31 +0200
From: DK3RED@t-online.de (Ingo Meyer DK3RED)
To: qrp-l@lehigh.edu
Subject: [149985] Re: SST-20...definitive freq mod?
Message-ID: <5.1.1.6.1.20030505162812.02372b50@pop.btx.dtag.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello John,

>I'm getting ready to assemble my SST-20 and have been reading
>a compendium of mods downloaded from the net.

Jim Larsen AL7FS from Anchorage Alaska had a compendium at his homepage.

<http://www.qsl.net/al7fs>

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de	http://www.t-online.de/~dk3red
DL-QRP-AG #824	http://www.dl-qrp-ag.de
QRP ARCI #11295	http://www.qrparci.org

Date: Mon, 5 May 2003 08:47:48 -0600
From: "John_Evans" <jaevans@mail.codenet.net>
To: <qrp-l@lehigh.edu>
Subject: [149986] Re: HP Omnibook 800CT/166 total system for sale
Message-ID: <200305050847.AA9371962@mail.codenet.net>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The omnibook has sold - thanks all for your interest.

72 - john - n0hj

Date: Mon, 5 May 2003 07:50:29 -0700
From: David Simmons <dsimmons@macromedia.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149987] Need OHR 20/40 schematic and alignment instructions
Message-ID:
<A501E8FB4F4D5A4786855C01686A827A0F1D024C@ex-600town-02.macromedia.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I just picked up an Oak Hills Research 20/40 dual band transceiver at a swap meet yesterday, and am looking for a copy of the schematic and any alignment and troubleshooting instructions. Will, of course, pay for any coping costs and postage.

Many thanks,

- Dave
KQ6RL

Date: Mon, 5 May 2003 10:16:54 -0500
From: "Walter AG5P" <walter@accessus.net>
To: <qrp-l@lehigh.edu>
Subject: [149988] Re: NVIS Receiving
Message-ID: <001401c31319\$5d8ae640\$c5466ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ken,

Yes, there are a lot of advantages in NVIS receiving, especially if you would like to cut down the foreign broadcast or other stations coming in at a low angle. It just gives you another option for cutting the qrm. A vast amount of qrp portable

operations are actually using a NVIS antenna and do very well.

Many times, unless your antenna is 1/4 WL up or higher, then you already are NVIS. It depends on the antenna. Also, overly short verticals and overly long verticals will have a tendency to have some overhead patterns. Airplane beacons are a good example.

Another thought, no matter if you are using a dipole, inverted vee or horizontal loop then you should see a definite increase in signal strength both in receiving and transmitting if you will put a counterpoise / reflector on the ground under your antenna. The counterpoise can usually be cut the same length as your radiator since the close proximity of ground makes the wire look longer. My preference is to use insulated wire with the ends also insulated. The proper way to install the counterpoise is above ground and tune it, but that is up to you. No matter which antenna you chose to experiment with, I think you will find that the horizontal dipole or loop will give exciting results.

Maybe take a look at <http://www.google.com>
type in.....NVIS.....there are 9,710 hits this
time :-)

You are on a fun adventure!
72 / 73...Walter - AG5P

Date: Mon, 05 May 2003 11:20:29 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [149989] Re: NVIS Receiving
Message-ID: <000301c31319\$dd81fe60\$6401a8c0@JOHN>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Ken,

I just added a map showing stations/distances that I worked on 40m with an NVIS (6' high) dipole and 2 watts. I don't know what antennas were used by

the stations I worked but they were all easily worked and ranged from 100 to 300 miles. The map is at the bottom of this page:
<http://www.ae5x.com/wichita.html>

Like you, I plan on experimenting more with NVIS on 40 meters in the near future, this time from the Appalachian Trail in Connecticut. In the meantime, I'd be interested in hearing your results.

73,

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Mon, 5 May 2003 11:23:48 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: qrp-1@Lehigh.EDU
Subject: [149990] Re: [149896] Re: HW-8... Some mods just make you chuckle ...
Message-ID: <200305051523.h45FNmp13147@panix2.panix.com>

I'm amazed at the narrow view-point shown here. Handles like that are very useful for protecting the front panel knobs and connected components when it is packed for transport.

73, doug

Date: Sat, 03 May 2003 12:16:00 -0400
From: <deleted>

It's a nearly complete project. The purchaser just need to paint the handles black and front panel gray, then mount into a 19" rack panel and install onboard a Navy vessel.

<deleted>

<deleted> wrote:

>

> As was recently mentioned, some interesting HW-8's show up on Ebay.

>

> But today I saw a mod that I'm sure was not in the HW-8 handbook !

>

> Check out the rack-mount handles on this baby:

>

> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3022017560&category=4674>

>

> I'm thinking it needs casters, too!
>
> Good weekend to all.
>

Date: Mon, 5 May 2003 10:58:53 -0400
From: "Walter D. Amos" <waltk8cvamosqrp@gbronline.com>
To: <ARDUJENSKI@aol.com>
Subject: [149991] Re: [Elecraft] Interested Party hiding in the Shadows
Message-ID: <000701c3131a\$ceede340\$50ecbfcf@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well how old and good of an ENGINEER are you ?

K-2 is a great and fun radio. Since you show a BUNCH of old tube gear in your collection you MAY have an eye problem with the small parts. Do you have a nice magnifying lamp? Do you have a nice Weller soldering station? You will need some PAPER egg cartons to sort parts in. You will need a static matt. You will need a wrist strap and a ground to connect all this stuff too. You will need TIME AND PATIENCE to build. I am 72 years old and built my K-2 4 years ago. Waited one year for them to make the kit ! It is now all over the work bench being upgraded to a B version. It has the KPA100 now that the sunspots are gone. BTW I love it !!

Now , if reading all the above and you being an ENGINEER and all, you could just get a Yaesu FT-100D and have the dealer put a filter of your choice in it along with the 500 Hz one that comes standard. IE 300 Hz if you are a cw nut and 6 kHz if you want to listen to the BBC ! Hey, you get a great SWL rig that covers all the usable ham bands and 100 watts for just a few buck more than the BASIC K-2. No, you can't work on it as it is full of flea sized surface mount parts but it is small, great, and cheap. Eats AMPS of current though, but has TWO fans to keep the little bugger cool. With an ASTRON SS-30 M you have a very compact station and add an LDG 100 W tuner and you are ready for the downsizing ! Are you off to the REST HOME ? A lot more condo or apartment friendly than BA gear :-)

Now, the SIERRA ! Ah, that is a CLASIC radio but lots of band modules to get lost. Mine has the DLPA and finally now that the BINOCULAR toroid is wound RIGHT work at 5 watts . The K-1 with the 4 band internal module is great and the tuner fits inside along with the noise blanker. Still audio agc but you have to love it, I do !

And then the FINAL INSULT is ta da
..... ECHOLINK !!

You don't need NOTHING but a COMPUTER and a stinking \$2.98 sound card mike
:-)

So, there you are ! What to do !

Ah, that's the fun of all this RADIO STUFF :-)

Walt K8CV Royal Oak, Mi.

----- Original Message -----

From: <ARDUJENSKI@aol.com>

To: <elecraft@mailman.qth.net>

Sent: Monday, May 05, 2003 1:46 AM

Subject: [Elecraft] Interested Party hiding in the Shadows

> First I am new to the list so excuse some basic and generic questions,
etc)
> I have been a long time BA user and recent change in health events has me
> thinking strongly about selling off the whole kit'n'kaboodle and going to
a
> very basic set up.
>
> The reason for the K1 is the occasional hiking and field ops where the K2
> might not be appropriate (which I am finding hard to discern)
>
> I operate about 80/20 CW and SSB. My CW is mostly straight key and
10-20wpm..
> I do have a march paddle and a Bencher Paddle that I hope to learn to use
in
> the near future. I love to eavesdrop in on SSB discussions; I find I learn
a
> lot of good information.
>
> I am looking at making the change to the K2/K1 family. Reason is it woul
dget
> me down to just basic equipment I needed for operation. I will miss just
the
> plain knobs and changing over to menus and who knows may even go to
> electronic log keeping.
>
> I am a casual operator and casual contester but do enjoy a nicely filtered
> signal.

>
> Specs do not mean a lot to me so I hope some locals will get to
> demonstratight their rigs. And Yes my intent is to build the little
rascales
>
> I am debating on some of the modules and thinking about getting a 100 watt
> amp mounted in a seperate case just for those times when the sun spots are
> really low. But since I am not a conterster maybe that extra 80 watts
would
> not make a difference..
>
> Although an engineer I am some what technically challenged electronically
and
> so have been hesitant to let go of the Ten Tec radios. At present here is
the
> list of accumulated radios:
>
> I will be lurking and hoping to learn a lot about these radios and will
> always be open to suggestions. At present i am leaning toward at least a
K2
> with all bells and wistles except the amp. Also i just acquired an
LDG-Z-11
> so not sure if an internal tuner would be appropriate.
>
> Please feel free to be candor with me. I have been a great proponent of
the
> Wilderness Sierra so not sure if a K1 is necessary. Be brutally honest
with
> me and I hope as the the affects of the drugs have worn off I can make
some
> good decisions.
>
> Thank you all for the use of the bandwidth. Take care my friends--- and
have
> a good Spring
>
> The present station is as follows:
> Ten Tec CORSAIR(all
> ten Tec filters) / VFO / SPKR-PS / 229 TUNER
> Ten Tec Scout (PS and all modules and NB and mobile mount-new)
> (I am sending Corsair and Scout to Ten Tec for complete alignment just to
> make sure of their operation)
> Drake 2B / 2BQ (retubed)
> Drade R-B twins, MS-4, MN-2000(copper is still shinny), L4B and PS
> Swan 350A (mint--never been on the air)
> Swan 500cx / vfo/ ps
> Heathkit SB-301/401 SB-630 Console
> Heathkit DX-60B / HG-10B /HR-10B

> Hallicrafters HT-18/S-53A QRP set
> Hammarlund HQ-110/matching SPKR
> hammarlund HQ-129X /matching SPKR
> Hammarlund HQ-120
> Hallicrafters SX-42 / matching SPKR
> Hallicrafters SX-71 (black face)
>
> HW-7,8,9
> Wilderness Sierra
>
> I can send a station picture when the time becomes appropriate. As noted I
am
> hanging around this list to see if the K2 and maybe K1 is a better way to
go
> for my operation---thanks
>
> Alan KB7MBI in Woodinville, WA
> FISTS 5702 Proud member of ARRL
> --- --- --- --- DIT DIT
>
>
> ps please note this is not a sales list but a list of what will be going
if i
> decide to go the Elecraft route. Who know, with the extra cash I might get
> one of those HEX BEAMS
>
>
>
>
> --- StripMime Report -- processed MIME parts ---
> multipart/alternative
> text/plain (text body -- kept)
> text/html
> The reason this message is shown is because the post was in HTML
> or had an attachment. Attachments are not allowed. To learn how
> to post in Plain-Text go to: <http://www.expita.com/nomime.html> ---
>
> -----
> Elecraft mailing list: Elecraft@mailman.qth.net
> You must be a list member to post to the list.
> Postings must be plain text (no HTML or attachments).
> See: <http://mailman.qth.net/mailman/listinfo/elecraft>
> Elecraft Web Page: <http://www.elecraft.com>
>
>

Date: Mon, 05 May 2003 17:38:26 +0300
From: "Juan A. Bertolin (EA5XQ)" <ea5xq@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [149992] Travelling to USA ...
Message-ID: <5.2.0.9.0.20030505173801.00bc4040@mail.cajarural.com>
Mime-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset="iso-8859-1"; format=flowed

Hi to all,

Next 29th May I'm planning to go to St. Charles (Illinois), near of Chicago=
=20
for a week and I was thinking about to bring with me my FT817 and my MP-1.=
=20
Are currently being very strict the customers in USA for accepting carrying=
=20
a rig with you? Should I bring with me specific documents, leaving aside my=
=20
licence, to demonstrate that I'm radioamateur and the rig is for that? I=20
bought the rig in San Antonio (Texas) one year ago during a trip around=20
that area.

Another question, anyone from such area could help me to find a=20
radioamateur shop for buying some accessories for my FT817 or my VX5R??=20
(I'll bring with me the VX5R too, I have to download the repeaters QRGs).

I'm looking forward to work from my hotel as a W9/EA5XQ/QRP!!

Thanks

73 Juan, EA5XQ

=3D=
=3D=
=3D=
=3D=

EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
MEMBER OF/MIEMBRO DE: URE (www.ure.es) y/and SLUREVILL (Secci=F3n Local URE=
=20

Villarreal - <http://slurevill.iespana.es>)

CLUBS: G-QRP #9805, QRP-L #1461, EA-QRP #471, EACW #309

E-MAIL: ea5xq@qsl.net

MSMESSENGER: ea5xq_Juan@hotmail.com

@@

WEB SITE: <http://www.qsl.net/ea5xq>

(english version in http://www.qsl.net/ea5xq/index_eng.html)

Wow! I'd have to say soldering the AD9835 DDS chip (.025 lead spacing TSSOP package) is at the limit of what hand soldering can accomplish -- particularly for 40 sumptin' eyes. Solder .015 in diameter looks positively large compared to the lead spacing on this chip!

Thanks!
Steve
aa8af

G e t the K2, Alan... you will not regret it.

The machine rejected this email with _G_e_t (w/o the "_"s). I'll see if this g e t s through. [GRIN}

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Mon, 05 May 2003 12:28:17 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: Steve.Lawrence@ITWFEG.COM
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149995] Re: AT Sprint Construction: Magnifier Recommendations
Message-ID: <3EB69121.70708@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Steve.Lawrence@ITWFEG.COM wrote:

>Wow! I'd have to say soldering the AD9835 DDS chip (.025 lead spacing
>TSSOP package) is at the limit of what hand soldering can accomplish --

>
>
>

I had the great pleasure of seeing Steve Weber's AT Sprint at HossTraders over the weekend. Really neat and amazing little rig. Beautiful piece of work/design. Seems it is what techies like to call the "next generation" of QRP kits, but how to work on the SMT stuff is a real trick. Or so it seems to me.

Ed Lawson
K1VP

Date: Mon, 5 May 2003 10:31:35 -0600
From: "John_Evans" <jae Evans@mail.codenet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149996] Re: AT Sprint Construction: masked connector locations?
Message-ID: <200305051031.AA44826844@mail.codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Greetings,

Perhaps someone can clarify, but my board seems to be fine around the headphone and paddle connection regions, in spite of Steve's mention that the holes were over-masked during production. Am I missing something here?

tnx es 72 - john - n0hj

Date: Mon, 5 May 2003 09:58:49 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Cc: <wa6ger@juno.com>
Subject: [149997] Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
Message-ID: <015701c31327\$995a7380\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, you have been unbelievably patient with us and the NorCal MiniBoots 5 W Amplifier project. We presold these in late October, and had all kinds of problems. Now, we are pleased to announce that the board is done, the manual is written, parts have been ordered this morning and we should ship your orders in about 3 weeks. I will be kitting everything except the pcboards this weekend, and then all I will have to do is drop a board in the

package and mail it when they come.

Jim and I want to thank every one of you for your wonderful patience with us on this project. The delay was unfortunate, but necessary. We will have kits available for those of you who have not preordered, but we will not be accepting any more orders until we have shipped all back orders. When we get everything shipped that has been ordered, then we will accept new orders. 72, Doug

Date: Mon, 5 May 2003 13:26:51 -0400
From: "sslyon" <sslyon@megalink.net>
To: <Steve.Lawrence@ITWFEG.COM>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [149998] Construction: Magnifier Recommendations
Message-ID: <000501c3132b\$841695e0\$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have 66 yr old eyes and had no trouble with the Sprint due in large part to the "VISOR" type magnification I use with my regular bi-focals. The key feature here is that with the visor, you can quickly get the feel for distance, etc. for hand movement since the magnified field is constant with head movement. I found the illuminated circular swing-arm magnifier an awful thing to work with, needing constant re-adjustment, always "in the way", caused headaches and even motion sickness. Think about it... jewelers, dentists, watchmakers, etc. all use the visors or the more expensive glasses mounted, swing down magnifiers. Now I'm a believer... ymmv.

NOTE: I would NOT recommend a kit like the AT Sprint without previously having successfully built SMT circuits. If you make mistakes, troubleshooting and repairing these things is a special pain compared to normal sized stuff. In addition to standard construction stuff, you must be well aware of the special tricks and tools needed for SMT such as a non-springy hold-down, solder wick, a clean, well lit no-bounce work surface and of course whatever medication keeps you from having spastic episodes.

73
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Date: Mon, 5 May 2003 13:34:53 -0400
From: "Donn Kuse" <casey.jay@verizon.net>
To: "Amateur Radio low power" <qrp-L@lehigh.edu>
Subject: [149999] Re: Inv V
Message-ID: <002001c3132c\$a47c6390\$b2ffd243@D5DP1021>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Want to thank everyone that replied to my query on how and where to install an Inv V on a tower. Everyone suggested a 2' side arm of either PVC, Electric Conduit, or 2x4 with either a pulley or eyebolt at the end. One suggested having the sidearm long enough to extend both sides of the tower, so two Inv V's could be installed. Height of about 40' was suggested. Now, all I'll have to do is find someone to put it up for me. Will cross that bridge when we get moved in and settled!

Tnx, agn, to all.
72/73 Donn, WB4ZWT
68 and still learning

Date: Mon, 05 May 2003 11:41:08 -0600
From: "P. Ermisch" <ermisch@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150000] Re: [Re: AT Sprint Construction: masked connector locations?]
Message-ID: <847HeeRpi0272S02.1052156468@uwdvg002.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Did you lay down the connectors into the appropriate places on the board?=
If
you did so, you should see that the solder tabs mate to areas on the board
where mask exists. You'll need to scrape off the mask underneath the areas to
which the tabs meet the board.

Paul KB0LUR

"John_Evans" <jaejans@mail.codenet.net> wrote:

> Greetings,

> =

> Perhaps someone can clarify, but my board seems to be fine around the

headphone and paddle connection regions, in spite of Steve's mention that the

holes were over-masked during production. Am I missing something here?

> =

> tn timer 72 - john - n0hj

> =

> =

Date: Mon, 05 May 2003 11:43:10 -0600

From: "P. Ermisch" <ermisch@usa.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [150001] Re: [AT Sprint Construction: Magnifier Recommendations]

Message-ID: <997HeeRrk1440S16.1052156590@uwdvg016.cms.usa.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

Radio Shack sells a small, handheld, lighted microscope (30X I believe) that

works great for board inspection.

Paul KB0LUR

Steve.Lawrence@ITWFEG.COM wrote:

> Wow! I'd have to say soldering the AD9835 DDS chip (.025 lead spacing =

> TSSOP package) is at the limit of what hand soldering can accomplish --=
=

> particularly for 40 sumptin' eyes. Solder .015 in diameter looks =

> positively large compared to the lead spacing on this chip!

> =

> I am using a #5 (2.5x @ 8") Optivisor magnifying visor for soldering and =
> need more power to inspect the results. A couple of inexpensive =
> magnifiers I had around distorted more than improved the image.... Any =
> recommendations out there for a magnifier, say in the 10X - 20X range for =
> SMT inspection? (And for a 'reasonable' price???)
> =

> Thanks!
> Steve
> aa8af
> =

> =

Date: Mon, 5 May 2003 10:10:50 +0200
From: "Juanjo Pastor" <ec5aca@wanadoo.es>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150002] RE: What's the matter with the www.qsl.net/kd1jv page?
Message-ID: <000c01c31330\$6d75cae0\$b346523e@ec5acawanadoo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hello again,

Thanks to all the people who answered my question. Wow, even Steve "Melt Solder" himself did. When I had the problem only a couple of items showed the yellow icon before them. Maybe QSL.NET was down, I don't know. Now I can browse all the items. Thanks again for all your help...

>Hello to all readers,

>

> First of all, happy Easter from old Spain. Yesterday I was

surfin'
>around the net and when I entered the "Melt Solder" page most links
>were marked in red and didn't work at all. Is this a permanent
feature
>or will be corrected soon? Thanks for your help in advance.
>
>73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742,
>QRP-L #1662.
>
>Juanjo Pastor
>C/San Roque, 4-1
>46460 Silla
>SPAIN
>
>e-mail: ea5chq@wanadoo.es
>Tel.: +034 96 120 17 67
>Movil: 651 35 35 11
>
>
>

Date: Mon, 05 May 2003 14:08:25 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: Steve.Lawrence@ITWFEG.COM
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150003] Re: AT Sprint Construction: Magnifier Recommendations
Message-ID: <3EB6A899.22206334@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For anyone interested in a "Hood" with real glass!! lenses...
www.use-ecno.com , a machine shop supplier has them on sale
for under \$20...!! Name is OptiVisor.

2 to 3.5X It is on page 23 of the latest catalog. PN
BF632-5314 to 5320.

No \$\$\$\$ intrest just satisfied customer..

Jerry
W3CDE

Steve.Lawrence@ITWFEG.COM wrote:

>
> Wow! I'd have to say soldering the AD9835 DDS chip (.025 lead spacing
> TSSOP package) is at the limit of what hand soldering can accomplish --
> particularly for 40 sumptin' eyes. Solder .015 in diameter looks
> positively large compared to the lead spacing on this chip!
>
> I am using a #5 (2.5x @ 8") Optivisor magnifying visor for soldering and
> need more power to inspect the results. A couple of inexpensive
> magnifiers I had around distorted more than improved the image.... Any
> recommendations out there for a magnifier, say in the 10X - 20X range for
> SMT inspection? (And for a 'reasonable' price???)
>
> Thanks!
> Steve
> aa8af

Date: Mon, 05 May 2003 11:49:28 -0600
From: "P. Ermisch" <ermisch@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150004] AT Sprint construction: solder wick technique
Message-ID: <988HeeRxC2128S16.1052156968@uwdvg016.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

=2E..or perhaps the subject should state: my lack of solder wick technique=
e.

I'm using SMD-type solder wick and it's not working for me. I think perh=
aps
it's my iron not heating the wick very well. I'm using a very narrow tip=
(Edsyn Loner w/needle tip, 1/32") and it appears that it might need to be=
re-tinned.

Advice on technique humbly accepted. Thanks.

Paul KB0LUR

Date: Mon, 5 May 2003 13:32:16 -0500
From: <stanw@toxsor.com>
To: <qrp-l@lehigh.edu>
Cc: <ak0b@swbell.net>
Subject: [150005] Re: NVIS and QRP
Message-ID: <000301c31334\$a998dae0\$0364010a@toxsor.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First thanks Mike for the initial posting, I learn a lot from Mike's site.
Also using google I find that there is a lot that I do not know about using
one of these antenna.

I know they work because every year the STL QRP club sets up one for 80
meters about 6 foot off the ground with a counterpoise. It has always
produced amazing results.

It appears that several versions of an antenna called a NVIS exists.
First the dipole like the qrp club uses and then the military version with
links from Mike's site.

Question about military version. It covers from 2 mhz to 10 mhz. great
80,40 and 30 meters and maybe 160. However, no counterpoise and the two
dipoles are not resonant in any ham band. How does the military use the
support pole for a feed line ?

Anyone using this version on QRP ? results ? Would it be better to
resonant each dipole in a ham band ?

What kind of match does the military version provide? Sure looks like
the thing for a simple portable for QRP in the park , etc.

Thanks for the use of a little bandwidth. de Stan ak0b

Date: Mon, 5 May 2003 14:55:35 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <ermisch@usa.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150006] Re: AT Sprint construction: solder wick technique

Message-ID: <005901c31337\$eabd2820\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> ...or perhaps the subject should state: my lack of solder wick
technique.
>
> I'm using SMD-type solder wick and it's not working for me. I think
perhaps
> it's my iron not heating the wick very well. I'm using a very narrow
tip
> (Edsyn Loner w/needle tip, 1/32") and it appears that it might need to
be
> re-tinned.
>
> Advice on technique humbly accepted. Thanks.
>
> Paul KB0LUR

I'd use a wider chisel tip or screwdriver tip. I'd also make sure the tip
is CLEAN and tinned, but NOT have excess solder on it. Tin it, wipe
it, then go to the wick. If you are using a 'controlled temp' iron that
is fixed, wait a few seconds after you wipe the sponge. Wiping the
sponge will cool the tip, forcing the thermostat to turn on. Then you
should be right at the peak when you wick a few seconds later.
If you have a 'dial' type control, consider boosting it a bit, but I would
NOT recommend going above maybe 750 (I solder exclusively at 700
degrees. I NEVER use anything else. In fact, I don't own any tips
other than 700 degrees for my WTCPT station.)

You ARE using real wick, right? Not trying to use salvaged coax
braid? Sometimes salvaged braid can have oxidation that really
limits how well it will conduct heat and soak up that initial bit of
solder. Remember, the braid works by 'wetting' with the solder
and then capillary action draws it in. If that first bit doesn't 'wet' to
the braid, it won't work.

Mike

Date: Mon, 05 May 2003 15:10:44 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: ermisch@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [150007] Re: AT Sprint construction: solder wick technique
Message-ID: <3EB6B734.36E2F65C@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,

You need a good tinned tip and about 800 degrees to do a good wick without overheating everything.. It's quick on and quick off when things go well.

Jerry
W3CDE

"P. Ermisch" wrote:

>
> ...or perhaps the subject should state: my lack of solder wick technique.
>
> I'm using SMD-type solder wick and it's not working for me. I think perhaps
> it's my iron not heating the wick very well. I'm using a very narrow tip
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> re-tinned.
>
> Advice on technique humbly accepted. Thanks.
>
> Paul KB0LUR

Date: Mon, 5 May 2003 12:22:14 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [150008] FYBO 2003 results
Message-ID: <20030505192214.72931.qmail@web11601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I know I've seen the FYBO 2003 results posted but I can't find them anywhere. Can anyone point me to them?

Thanks,
Gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://gdslagel.bravepages.com>

Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo.
<http://search.yahoo.com>

Date: Mon, 05 May 2003 16:00:45 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150009] Re: AT Sprint construction: solder wick technique
Message-ID: <5.2.0.9.2.20030505155314.03124da8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hear hear!! Mike is exactly right. At 800 degrees all you do is burn the tip-for no advantage. I too ALWAYS use 700 degrees. Also, get a rosin-flux-pen. Solder wick is basically a copper braid, impregnated with flux. More flux won't hurt as long as you clean it off when finished. When I'm trying to wick something clean of (excess) solder and REALLY don't want to overheat it (such as SSOP 0.5 mil IC pins), I start with a good swipe of the flux pen-that really helps get things moving off the application and into the wick!

>///snip

>

>I'd use a wider chisel tip or screwdriver tip. I'd also make sure the tip
>is CLEAN and tinned, but NOT have excess solder on it. Tin it, wipe
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>degrees. I NEVER use anything else. In fact, I don't own any tips
>other than 700 degrees for my WTCPT station.)

>///snip

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY

189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
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LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
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deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Mon, 5 May 2003 15:05:22 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Doug Hendricks <ki6ds@dph.dpol.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150010] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
Message-ID: <Pine.LNX.4.44.0305051500350.2417-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang, you have to understand that on a QRP list the sale of a high power amplifier is difficult at best. I have a couple of radios that will use this high power amp but I'm wondering if you guys have set the amp to put out only lower power on 10 meters? The FCC has some thing about high power amps for 10 meters.

On Mon, 5 May 2003, Doug Hendricks wrote:

> Guys, you have been unbelievably patient with us and the NorCal MiniBoots 5
> W Amplifier project. We presold these in late October, and had all kinds of

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 05 May 2003 17:20:04 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: n4xy@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150011] Re: AT Sprint construction: solder wick technique
Message-ID: <3EB6D584.50E54448@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed,

If you ever repaired any of the Motorola commercial HT's which I did for a few years, you would find that you use high heat and get on and off the connection fast so as to not lift traces. If you use low temperatures, you will lift traces and burn the board. What takes place is the connection heat sinks till there is enough heat to melt the solder. With the higher temperatures, you end up with rapid heating and do not heat up components and traces excessively. I always use the 800 degree tips for the WTCPT for desoldering, wicking and large wire soldering. 700 degrees is great for soldering with regular solder.

Jerry L.

Ed Tanton wrote:

>
> Hear hear!! Mike is exactly right. At 800 degrees all you do is burn the
> tip-for no advantage. I too ALWAYS use 700 degrees. Also, get a
> rosin-flux-pen. Solder wick is basically a copper braid, impregnated with
> flux. More flux won't hurt as long as you clean it off when finished. When
> I'm trying to wick something clean of (excess) solder and REALLY don't want
> to overheat it (such as SSOP 0.5 mil IC pins), I start with a good swipe of
> the flux pen-that really helps get things moving off the application and
> into the wick!
>

> >///snip
> >
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> >degrees. I NEVER use anything else. In fact, I don't own any tips
> >other than 700 degrees for my WTCPT station.)

> >///snip

> 73 Ed Tanton N4XY <n4xy@earthlink.net>

> Ed Tanton N4XY

> 189 Pioneer Trail

> Marietta, GA 30068-3466

> website: <http://www.n4xy.com>

> All emails <IN> & <OUT> checked by

> Norton AntiVirus with AutoProtect

> LM: ARRL QCWA AMSAT & INDEXA;

> SEDXC NCDXA GACW QRP-ARCI

> OK-QRP QRP-L #758 K2 (FT) #00057

> -----
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End of QRP-L Digest 2911
